

=> b reg
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STRUCTURE FILE UPDATES: 8 APR 2008 HIGHEST RN 1012980-81-2
 DICTIONARY FILE UPDATES: 8 APR 2008 HIGHEST RN 1012980-81-2

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

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REGISTRY includes numerically searchable data for experimental and
 predicted properties as well as tags indicating availability of
 experimental property data in the original document. For information
 on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> d que sta l12
 L7 STR



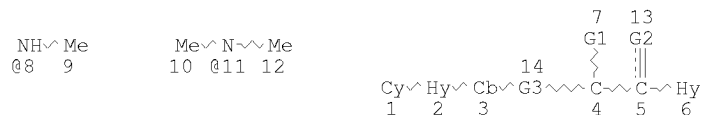
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 DEFAULT ECLEVEL IS LIMITED
 ECOUNT IS M4-X6 C M1-X2 N AT 2
 ECOUNT IS E6 C AT 3
 ECOUNT IS E3 C E1 N E1 S AT 6

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE
 L10 149228 SEA FILE=REGISTRY ABB=ON PLU=ON (NC5 OR NC6 OR NC2NC2 OR
 NC2NC3)/ES AND NCSC2/ES
 L12 22 SEA FILE=REGISTRY SUB=L10 SSS FUL L7

100.0% PROCESSED 136538 ITERATIONS 22 ANSWERS
 SEARCH TIME: 00.00.02

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 L3 82 SEA FILE=REGISTRY ABB=ON PLU=ON L2
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 NC2NC3)/ES AND NCSC2/ES
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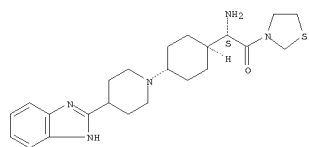
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NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE
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L20 9 SEA FILE=REGISTRY ABB=ON PLU=ON L19 AND L3

=> d ide can l14 tot

L14 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN
RN 855141-78-5 REGISTRY
ED Entered STN: 15 Jul 2005
CN Thiazolidine, 3-[(2S)-amino[trans-4-{4-(1H-benzimidazol-2-yl)-1-piperidinyl]cyclohexyl}acetyl]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MP C23 H33 N5 O S
CI COM
SR CA

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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FILE COVERS 1907 - 9 Apr 2008 VOL 148 ISS 15
FILE LAST UPDATED: 8 Apr 2008 (20080408/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

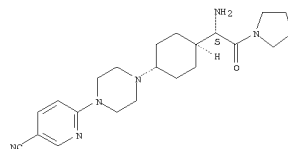
This file contains CAS Registry Numbers for easy and accurate substance identification.

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L22 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS ON SIN
 AN 2005:540575 HCAPLUS
 DN 143:78210
 TI Preparation of piperazine compounds having α -amino acid moiety as
 DPP-IV inhibitors
 IN Akahoshi, Fumihiko; Hayashi, Yoshiharu
 PA Mitsubishi Pharma Corporation, Japan
 SO PCT Int. Appl., 58 pp.
 CODEN: PXX02
 DT Patent
 LA Japanese
 FAN.CNT 1

| PI | WO-----2005056541 | KIND | DATE | APPLICATION NO. | DATE |
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| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TE, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | A1 | 20050623 | 2004WO-JP0018479 | 20041210 |
| | RW: BW, GH, GM, KE, LS, MW, MG, NA, SD, SL, SE, TE, UG, ZM, ZW, AG, BG, BG, KE, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, NI, SN, TD, TG | A1 | 20050623 | 2004CA-002548918 | 20041210 |
| | CA-----2548918 | A1 | 20050623 | 2004EP-000820297 | 20041210 |
| | EP-----1695969 | A1 | 20060830 | 2004CN-080036728 | 20041210 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS | A | 20070103 | 2006US-000582602 | 20060630 |
| | CN-----1890228 | A | 20070103 | | |
| | US-20070049619 | A1 | 20070301 | | |
| | PRAI 2003JP-00043846 | A | 20031211 | | |
| | 2004WO-JP0018479 | W | 20041210 | | |
| | OS MARPAT 143:78210 | | | | |
| | GI | | | | |

L22 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS ON SIN (Continued)
 (prepn. of piperazine compds. having α -amino acid moiety as
 DPP-IV inhibitors for treatment of diabetes and obesity)
 RN 855298-68-9 HCAPLUS
 CN Thiazolidine, 3-[(2S)-amino(trans-4-{4-(5-cyano-2-pyridinyl)-1-piperazinyl}cyclohexyl)acetyl]- (9CI) (CA INDEX NAME)
 Absolute stereochemistry.



RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [R1 = H, halo, etc.; R2 = H, halo, etc.; X = CHR3, etc.; R3 = NR7R8, etc.; R7, R8 = H, alkyl, etc.; Y = CHR6, etc.; R5, R6 = H, halo, etc.; Z = H, CN; m, n = 0-2 such as m + n = 1-3; p = 1-3] were prepared. For example, reductive amination of compound II, e.g., prepared from 4-hydroxy-1-phenylglycine in 3 steps, followed by treatment with trifluoroacetic acid afforded compound III. In serum DPP-IV inhibition assays, the IC50 value of compound III was 1.6 nM. Compds. I are claimed useful for the treatment of diabetes, obesity, etc.

IT 855298-68-9P 855298-69-OP 855298-70-3P
 855298-71-4P 855298-72-5P 855298-73-6P
 855298-74-7P 855298-75-8P 855298-76-9P
 855298-77-OP 855298-78-1P 855298-79-3P
 855298-80-5P 855298-81-6P 855298-82-7P
 855298-83-8P 855298-84-9P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of piperazine compds. having α -amino acid moiety as DPP-IV inhibitors for treatment of diabetes and obesity)

IT 855299-01-3P 855299-03-5P 855299-06-8P
 855299-07-9P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of piperazine compds. having α -amino acid moiety as DPP-IV inhibitors for treatment of diabetes and obesity)

IT 855298-68-9P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

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FILE 'USPATFULL' ENTERED AT 14:25:36 ON 09 APR 2008
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FILE 'USPATOLD' ENTERED AT 14:25:36 ON 09 APR 2008
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FILE 'USPAT2' ENTERED AT 14:25:36 ON 09 APR 2008
CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

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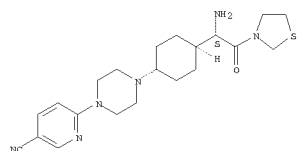
L25 ANSWER 1 OF 2 USPATFULL on STN
 AN 2007:11376 USPATFULL
 TI Image forming apparatus and image forming method
 IN Shishido, Makoto, Osaka, JAPAN
 OKawa, Shino, Osaka, JAPAN
 PI US-20070098442 Al 20070503
 AI 2006US-000582602 Al 20061018 (11)
 PRPI 2005JP-000316760 20051031
 DT Utility
 FS APPLICATION
 LREP Arthur G. Schaier, Carmody & Torrance LLP, 50 Leavenworth Street, P.O.
 Box 1110, Waterbury, CT, 06721-1110, US
 CLMN Number of Claims: 8
 ECL Exemplary Claim: 1
 DRWN 9 Drawing Page(s)
 LN.CNT 492

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides an image forming apparatus which can, by uniformly leveling the particles which are non-uniformly adhered to the surface of the photoconductor by using a leveling means having a predetermined shape, and can maintain the excellent image characteristics for a long period even when a contact charging method is adopted as a charging means and an image forming method which uses the image forming apparatus. In an image forming apparatus which sequentially arranges a charging means, a developing means, a transferring means and a charge eliminating means around an electrophotographic photoconductor, the charging means is constituted of a contact-type charging means, and a leveling means which levels particles on a surface of the electrophotographic photoconductor is arranged between the transferring means and the charge eliminating means.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

II 855298-68-9P 855298-69-OP 855298-70-3P
 855298-71-4P 855298-72-5P 855298-73-6P
 855298-74-7P 855298-75-8P 855298-76-9P
 855298-77-OP 855298-78-1P 855298-79-2P
 855298-80-5P 855298-81-6P 855298-82-7P
 855298-83-8P 855298-84-9P 855298-85-OP
 855298-86-1P 855298-87-2P 855298-88-3P
 855298-89-4P 855298-90-7P
 (preparation of piperazine compds. having α -amino acid moiety as DPP-IV inhibitors for treatment of diabetes and obesity)
 IT 855299-01-3P 855299-03-5P 855299-06-8P
 855299-07-9P 855299-13-7P 855299-17-1P
 855299-18-2P
 (preparation of piperazine compds. having α -amino acid moiety as DPP-IV inhibitors for treatment of diabetes and obesity)
 IT 855298-68-9P
 (preparation of piperazine compds. having α -amino acid moiety as DPP-IV inhibitors for treatment of diabetes and obesity)
 RN 855298-68-9 USPATFULL
 CN Thiazolidine, 3-[(2S)-amino[trans-4-{4-(5-cyano-2-pyridinyl)-1-piperazinyl}cyclohexyl]acetyl]- (9CI) (CA INDEX NAME)
 Absolute stereochemistry.



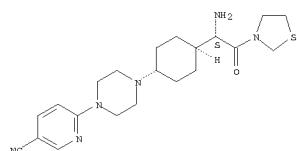
L25 ANSWER 2 OF 2 USPATFULL on STN
 AN 2007:56673 USPATFULL
 TI Alpha-amino acid derivatives and use thereof as medicines
 IN Akahoshi, Fumihiko, Chuo-ku, JAPAN
 Hayashi, Yoshiharu, Chuo-ku, JAPAN
 PA Mitsubishi Pharma Corporation, Osaka-shi, JAPAN, 541-0046 (non-U.S. corporation)
 PI US-20070049619 Al 20070301
 AI 2004US-000582602 Al 20041210 (10)
 2004WO-JP0018479 20041210
 20060630 PCT 371 date
 PRPI 2003JP-000413846 20031211
 DT Utility
 FS APPLICATION
 LREP LEYDIG VOIT & MAYER, LTD, TWO PRUDENTIAL PLAZA, SUITE 4900, 180 NORTH
 STETSON AVENUE, CHICAGO, IL, 60601-6731, US
 CLMN Number of Claims: 14
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 1760

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds represented by the α -amino acid derivative or a pharmaceutically acceptable salt thereof of the present invention have a therapeutic effect due to a DPP-IV inhibitory action and useful as pharmaceutical agents for the treatment and/or prophylaxis of diseases relating to a DPP-IV inhibitor.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

II 855298-68-9P 855298-69-OP 855298-70-3P
 855298-71-4P 855298-72-5P 855298-73-6P
 855298-74-7P 855298-75-8P 855298-76-9P
 855298-77-OP 855298-78-1P 855298-79-2P
 855298-80-5P 855298-81-6P 855298-82-7P
 855298-83-8P 855298-84-9P 855298-85-OP
 855298-86-1P 855298-87-2P 855298-88-3P
 855298-89-4P 855298-90-7P
 (preparation of piperazine compds. having α -amino acid moiety as DPP-IV inhibitors for treatment of diabetes and obesity)
 IT 855299-01-3P 855299-03-5P 855299-06-8P
 855299-07-9P 855299-13-7P 855299-17-1P
 855299-18-2P
 (preparation of piperazine compds. having α -amino acid moiety as DPP-IV inhibitors for treatment of diabetes and obesity)
 IT 855298-68-9P
 (preparation of piperazine compds. having α -amino acid moiety as DPP-IV inhibitors for treatment of diabetes and obesity)
 RN 855298-68-9 USPATFULL
 CN Thiazolidine, 3-[(2S)-amino[trans-4-{4-(5-cyano-2-pyridinyl)-1-piperazinyl}cyclohexyl]acetyl]- (9CI) (CA INDEX NAME)
 Absolute stereochemistry.



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STRUCTURE FILE UPDATES: 8 APR 2008 HIGHEST RN 1012980-81-2
 DICTIONARY FILE UPDATES: 8 APR 2008 HIGHEST RN 1012980-81-2

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

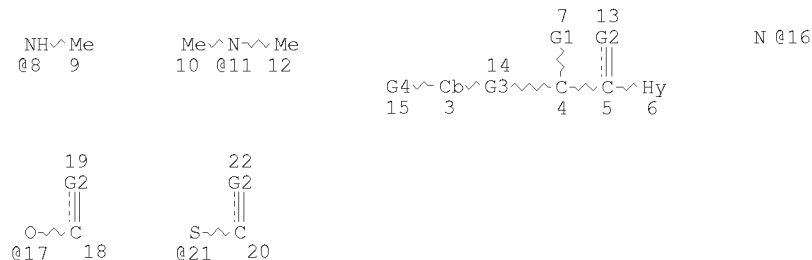
Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
 predicted properties as well as tags indicating availability of
 experimental property data in the original document. For information
 on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

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L1 1 SEA FILE=HCAPLUS ABB=ON PLU=ON US20070049619/PN
 L2 TRANSFER PLU=ON L1 1- RN : 82 TERMS
 L3 82 SEA FILE=REGISTRY ABB=ON PLU=ON L2
 L26 STR



VAR G1=NH2/8/11
 VAR G2=O/S
 REP G3=(1-4) C
 VAR G4=16/17/21/O/S
 NODE ATTRIBUTES:
 NSPEC IS RC AT 16
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED
 ECOUNT IS E6 C AT 3
 ECOUNT IS E3 C E1 N E1 S AT 6

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 20

STEREO ATTRIBUTES: NONE

L27 36100 SEA FILE=REGISTRY ABB=ON PLU=ON 46.150.1/RID AND NCSC2/ES
 L29 15 SEA FILE=REGISTRY SUB=L27 SSS FUL L26
 L30 15 SEA FILE=REGISTRY ABB=ON PLU=ON L29 AND L3

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FILE COVERS 1907 - 9 Apr 2008 VOL 148 ISS 15
FILE LAST UPDATED: 8 Apr 2008 (20080408/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

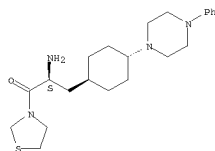
This file contains CAS Registry Numbers for easy and accurate substance identification.

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L31 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on SIN
AN 2005:540575 HCAPLUS
DN 143:78210
TI Preparation of piperazine compounds having α -amino acid moiety as
DPP-IV inhibitors
IN Akahoshi, Fumihiko; Hayashi, Yoshiharu
PA Mitsubishi Pharma Corporation, Japan
SO PCT Int. Appl., 58 pp.
CODEN: PXX032
DT Patent
LA Japanese
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE
PI WO-2005056541 A1 20050623 2004WO-JP0018479 20041210
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GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
TJ, TM, TN, TR, TT, TE, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, ME, NA, SD, SL, SE, TE, UG, ZM, ZW, AM,
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IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS
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US-20070049619 A1 20070301 2006US-000582602 20060630
PRAI 2003JP-00043846 A 20031211
2004WO-JP0018479 W 20041210
OS MARPAT 143:78210
GI

L31 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on SIN (Continued)
CN Thiazolidine, 3-[(2S)-2-amino-1-oxo-3-[(trans-4-(4-phenyl-1-
piperazinyl)cyclohexyl]propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [R1 = H, halo, etc.; R2 = H, halo, etc.; X = CHR3, etc.;
R3 = NR7R8, etc.; R7, R8 = H, alkyl, etc.; Y = CHR6, etc.; R5, R6 = H,
halo, etc.; Z = H, CN; m, n = 0-2 such as m + n = 1-3; p = 1-3] were
prepared. For example, reductive amination of compound II, e.g., prepared from
4-hydroxy-L-phenylglycine in 3 steps, followed by treatment with
trifluoroacetic acid afforded compound III. In serum DPP-IV inhibition
assays, the IC50 value of compound III was 1.6 nM. Compds. I are claimed
useful for the treatment of diabetes, obesity, etc.
II 855298-85-OP 855298-86-IP 855298-87-2P
855298-88-3P 855298-89-4P 855298-90-7P
855298-91-8P 855298-92-9P 855720-51-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)
(Preparation of piperazine compds. having α -amino acid moiety as
DPP-IV inhibitors for treatment of diabetes and obesity)
II 855299-13-7P 855299-17-1P 855299-18-2P
855299-20-6P 855299-21-7P 855720-71-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(Preparation of piperazine compds. having α -amino acid moiety as
DPP-IV inhibitors for treatment of diabetes and obesity)
II 855298-85-OP
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)
(Preparation of piperazine compds. having α -amino acid moiety as
DPP-IV inhibitors for treatment of diabetes and obesity)
RN 855298-85-0 HCAPLUS

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FILE 'USPATFULL' ENTERED AT 14:48:36 ON 09 APR 2008
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FILE 'USPATOLD' ENTERED AT 14:48:36 ON 09 APR 2008
CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 14:48:36 ON 09 APR 2008
CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

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L33 ANSWER 1 OF 2 USPATFULL on STN
 AN 2007113376 USPATFULL
 TI Image forming apparatus and image forming method
 IN Shishido, Makoto, Osaka, JAPAN
 OKawa, Shinjo, Osaka, JAPAN
 PI US-20070098442 AI 20070503
 AI 2006US-000582602 AI 20061018 (11)
 PRPI 2005JP-000316760 20051031
 DT Utility
 FS APPLICATION
 LREP Arthur G. Schafer, Carmody & Torrance LLP, 50 Leavenworth Street, P.O.
 Box 1110, Waterbury, CT, 06721-1110, US
 CLMN Number of Claims: 8
 ECL Exemplary Claim: 1
 DRWN 9 Drawing Page(s)
 LN.CNT 492

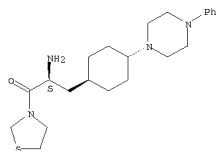
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides an image forming apparatus which can, by uniformly leveling the particles which are non-uniformly adhered to the surface of the photoconductor by using a leveling means having a predetermined shape, and can maintain the excellent image characteristics for a long period even when a contact charging method is adopted as a charging means and an image forming method which uses the image forming apparatus. In an image forming apparatus which sequentially arranges a charging means, a developing means, a transferring means and a charge eliminating means around an electrophotographic photoconductor, the charging means is constituted of a contact-type charging means, and a leveling means which levels particles on a surface of the electrophotographic photoconductor is arranged between the transferring means and the charge eliminating means.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

II 855298-85-0P 855298-86-1P 855298-87-2P
 855298-88-3P 855298-89-4P 855298-90-7P
 855298-91-8P 855298-92-9P 855720-51-3P
 (preparation of piperazine compds. having α -amino acid moiety as
 DPP-IV inhibitors for treatment of diabetes and obesity)
 IT 855299-13-7P 855299-17-1P 855299-18-2P
 855299-20-6P 855299-21-7P 855720-71-7P
 (preparation of piperazine compds. having α -amino acid moiety as
 DPP-IV inhibitors for treatment of diabetes and obesity)
 IT 855298-85-0P
 (preparation of piperazine compds. having α -amino acid moiety as
 DPP-IV inhibitors for treatment of diabetes and obesity)
 RN 855298-85-0 USPATFULL
 CN Thiazolidine, 3-[(2S)-2-amino-1-oxo-3-(trans-4-(4-phenyl-1-
 piperazinyl)cyclohexyl)propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L33 ANSWER 2 OF 2 USPATFULL on STN
 AN 2007156673 USPATFULL
 TI Alpha-amino acid derivatives and use thereof as medicines
 IN Akahoshi, Fumihiko, Chuo-ku, JAPAN
 Hayashi, Yoshiharu, Chuo-ku, JAPAN
 PA Mitsubishi Pharma Corporation, Osaka-shi, JAPAN, 541-0046 (non-U.S.
 corporation)
 PI US-20070049619 AI 20070301
 AI 2004US-000582602 AI 20041210 (10)
 2004WO-JP0018479 20041210
 PRPI 2003JP-000413846 20031211
 DT Utility
 FS APPLICATION
 LREP LEIDIG VOIT & MAYER, LTD, TWO PRUDENTIAL PLAZA, SUITE 4900, 180 NORTH
 STEVENSON AVENUE, CHICAGO, IL, 60601-6731, US
 CLMN Number of Claims: 14
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 1780

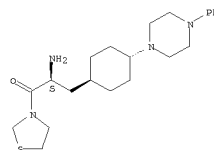
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds represented by the α -amino acid derivative or a pharmaceutically acceptable salt thereof of the present invention have a therapeutic effect due to a DPP-IV inhibitory action and useful as pharmaceutical agents for the treatment and/or prophylaxis of diseases relating to a DPP-IV inhibitor.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

II 855298-85-0P 855298-86-1P 855298-87-2P
 855298-88-3P 855298-89-4P 855298-90-7P
 855298-91-8P 855298-92-9P 855720-51-3P
 (preparation of piperazine compds. having α -amino acid moiety as
 DPP-IV inhibitors for treatment of diabetes and obesity)
 IT 855299-13-7P 855299-17-1P 855299-18-2P
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 (preparation of piperazine compds. having α -amino acid moiety as
 DPP-IV inhibitors for treatment of diabetes and obesity)
 IT 855298-85-0P
 (preparation of piperazine compds. having α -amino acid moiety as
 DPP-IV inhibitors for treatment of diabetes and obesity)
 RN 855298-85-0 USPATFULL
 CN Thiazolidine, 3-[(2S)-2-amino-1-oxo-3-(trans-4-(4-phenyl-1-
 piperazinyl)cyclohexyl)propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



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(FILE 'HOME' ENTERED AT 13:24:54 ON 09 APR 2008)

FILE 'HCAPLUS' ENTERED AT 13:25:06 ON 09 APR 2008

L1 1 US20070049619/PN

FILE 'REGISTRY' ENTERED AT 13:25:44 ON 09 APR 2008

FILE 'HCAPLUS' ENTERED AT 13:25:44 ON 09 APR 2008

L2 TRA L1 1- RN : 82 TERMS

FILE 'REGISTRY' ENTERED AT 13:25:44 ON 09 APR 2008

L3 82 SEA L2

L4 68 L3 AND NCSC2/ES

L5 67 L4 AND C6/ES

L6 54 L5 AND (NC5 OR NC6 OR NC2NC2 OR NC2NC3)/ES

FILE 'REGISTRY' ENTERED AT 13:29:56 ON 09 APR 2008

L7 STR

L8 0 L7

L9 1 CYCLOHEXANE/CN

L10 149228 (NC5 OR NC6 OR NC2NC2 OR NC2NC3)/ES AND NCSC2/ES

L11 0 L7 SAM SUB=L10

L12 22 L7 FULL SUB=L10

SAV TEM J602C1G1/A L12

L13 21 L12 AND L3

L14 1 L12 NOT L13

FILE 'HCAPLUS' ENTERED AT 13:39:50 ON 09 APR 2008

L15 1 L13

L16 0 L14

FILE 'REGISTRY' ENTERED AT 13:40:45 ON 09 APR 2008

L17 STR L7

L18 1 L17 SAM SUB=L10

L19 9 L17 FULL SUB=L10

SAV TEM J602C1GII/A L19

L20 9 L19 AND L3

FILE 'HCAPLUS' ENTERED AT 13:43:25 ON 09 APR 2008

L21 1 L20

L22 1 L15,L16

FILE 'REGISTRY' ENTERED AT 13:43:46 ON 09 APR 2008

L23 31 L12,L20

FILE 'HCAOLD' ENTERED AT 13:43:57 ON 09 APR 2008

L24 0 L23

FILE 'USPATFULL, USPATOLD, USPAT2' ENTERED AT 13:44:01 ON 09 APR 2008

L25 2 L23

FILE 'REGISTRY' ENTERED AT 14:35:31 ON 09 APR 2008

L26 STR L17

L27 36100 46.150.1/RID AND NCSC2/ES

L28 1 L26 SAM SUB=L27

L29 15 L26 FULL SUB=L27

SAV TEM J602C1GIIA/A L29

L30 15 L29 AND L3

FILE 'HCAPLUS' ENTERED AT 14:46:32 ON 09 APR 2008

L31 1 L30

FILE 'HCAOLD' ENTERED AT 14:46:45 ON 09 APR 2008

L32 0 L31

FILE 'USPATFULL, USPATOLD, USPAT2' ENTERED AT 14:47:13 ON 09 APR 2008

L33 2 L30

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